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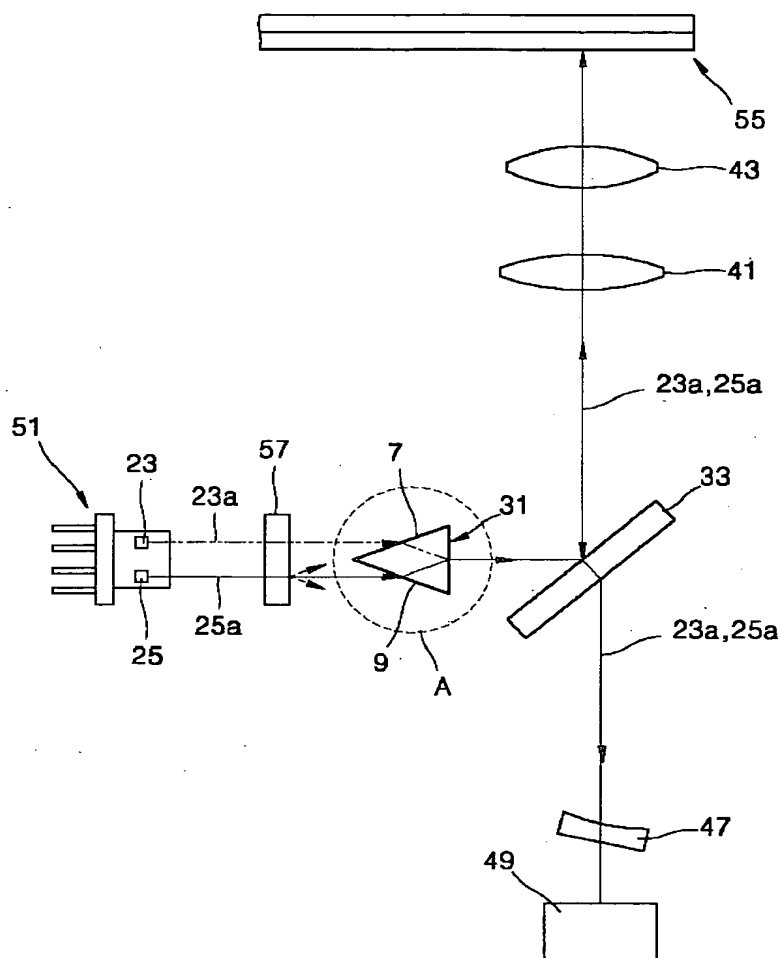
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(54) Title of Invention

OPTICAL PICK-UP UNIT INCLUDING POLYGONAL PRISM AND METHOD FOR COMPENSATING OPTIC AXIS

Representative drawing



(57) Abstract:

PURPOSE: An optical pick-up unit including a polygonal prism and a method for compensating an optic axis are provided to easily compensate the optic axis and offset a distance tolerance between first and second lights.

CONSTITUTION: First and second light sources(23,25) generate first and second lights(23a,25a). An objective lens(43) focuses the first and second lights at a recording medium(55). A photo detector(47) receives the first and second lights for photoelectric transformation. A beam splitter(33) is installed on an optical path between the light sources and the objective lens for converting optical paths of the first and second lights. A polygonal optic axis compensating element(31) is installed on an optical path between the light sources and the beam splitter. The polygonal optic axis includes first and second surfaces(7, 9) inclined at a predetermined angle to optic axes to refract the first and second lights, and a third surface in which the optic axes of the first and second lights coincide.

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